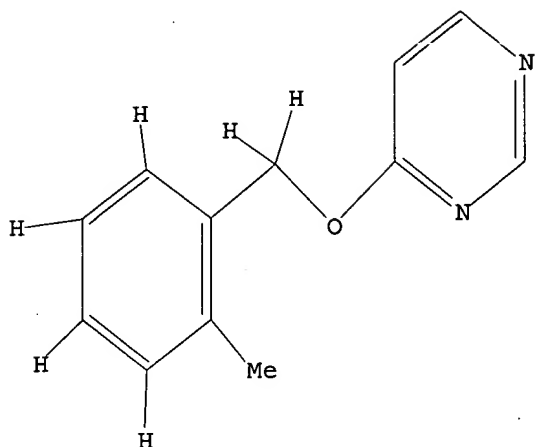


L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:45:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 376 TO 1104
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 10:45:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 718 TO ITERATE

100.0% PROCESSED 718 ITERATIONS
SEARCH TIME: 00.00.01

11 ANSWERS

L3 11 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

FILE 'CAPLUS' ENTERED AT 10:46:00 ON 08 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is

held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 8 May 2003 VOL 138 ISS 19
FILE LAST UPDATED: 7 May 2003 (20030507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 8 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:205100 CAPLUS

DOCUMENT NUMBER: 132:246344

TITLE: O6-substituted guanine derivatives, a process for their preparation, and their use in treating tumor cells

INVENTOR(S): McMurtry, Thomas Brian; McBlhinney, Robert Stanley; McCormick, Joan Elizabeth; Elder, Rhoderick Hugh; Kelly, Jane; Margison, Geoffrey; Rafferty, Joseph Anthony; Watson, Amanda Jean; Willington, Mark Andrew; Donnelly, Dorothy Josephine

PATENT ASSIGNEE(S): Cancer Research Campaign Technology Ltd., UK

SOURCE: U.S., 60 pp., Cont.-in-part of WO9429312.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6043228	A	20000328	US 1995-568576	19951207
WO 9429312	A1	19941222	WO 1994-IE31	19940608
W:	AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, CZ, DE, DE, DK, DK, ES, FI, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, SK, TJ, TT, UA, US			
RW:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
ZA 9404026	A	19950206	ZA 1994-4026	19940608
US 5929046	A	19990727	US 1995-572966	19951215
WO 9720843	A1	19970612	WO 1996-IE84	19961209
W:	AL, AM, AT, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,			

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
MR, NE, SN, TD, TG

AU 9720142	A1	19970627	AU 1997-20142	19961209
AU 715016	B2	20000113		
EP 874848	A1	19981104	EP 1996-943278	19961209

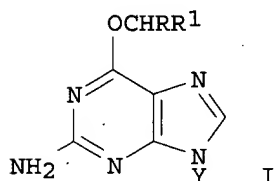
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

JP 2000501415	T2	20000208	JP 1997-521129	19961209
US 6096724	A	20000801	US 1998-88740	19980602

PRIORITY APPLN. INFO.:

IE 1993-432	A	19930608
GB 1994-10421	A	19940523
WO 1994-IE31	A2	19940608
US 1995-568576	A2	19951207
US 1995-572966	A	19951215
WO 1996-IE84	W	19961209

OTHER SOURCE(S): MARPAT 132:246344
GI

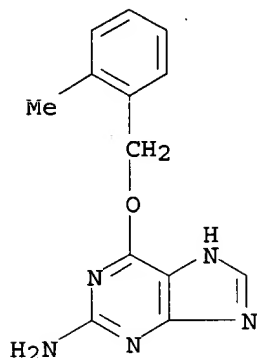


AB O6-hetarylalkyl- or naphthylalkylguanine derivs. I [Y = H, (deoxy)ribosyl, (R''X)(R''')CH, (X = O, S; R'', R''' = (un)substituted alkyl); R' = H, alkyl, hydroxyalkyl; R = (i) cyclic group with .gtoreq.1 5- or 6-membered heterocyclic ring, optionally with carbocyclic or heterocyclic ring fused thereto, the or each heterocyclic ring having .gtoreq.1 O, N, S, or substituted deriv. thereof; or (ii) (un)substituted naphthyl], and pharmaceutically acceptable salts thereof, exhibit the ability to deplete O6 -alkylguanine-DNA alkyltransferase activity. A process for prepn. of the compds. is described. The compds. have utility in combination with alkylating agents in the chemotherapeutic treatment of tumor cells.

IT 261905-09-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(guanine deriv. prepn. for alkylguanine-DNA alkyltransferase inhibitors, and use in treating tumor cells in combination with alkylating agents)

RN 261905-09-3 CAPLUS

CN 1H-Purin-2-amine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:583185 CAPLUS

DOCUMENT NUMBER: 131:199710

TITLE: Preparation of nitrogen containing aromatic compounds as herbicides

INVENTOR(S): Kuboyama, Nobuhiro; Koizumi, Kazuya; Yamashita, Osamu; Wakabayashi, Osamu; Tomono, Kotaro; Hattori, Takashi

PATENT ASSIGNEE(S): Tomono Agrica K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.

CODEN: JKXXAF

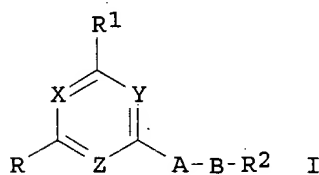
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

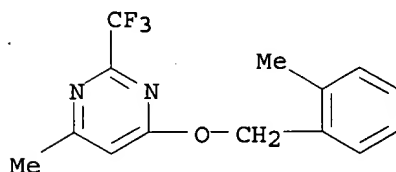
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11246528	A2	19990914	JP 1998-345843	19981204
PRIORITY APPLN. INFO.:			JP 1997-335223	19971205
OTHER SOURCE(S):	MARPAT 131:199710			
GI				



AB Title compds. [I; X, Y, Z are independently N, CH; R = CF₃; R₁ = CH₃, H, CH₂CH₃, (CH₃)₂CH, C₆H₅; A = NH, NCHO, NCOCH₃, NCOCH₂CH₃, NCOCH₂CH₂CH₃, NCOCH(CH₃)₂, NCOC(CH₃)₃, O, NCH₂CCH, S; B = CH₂, (S)-CH₃CH, (R)-CH₃CH, CH₃CH, CH₃CHCH₂CH₂, (CH₃)₂CCH₂, (CH₂)₄, (CH₂)₂, (CH₂)₃; R₂ = 4-ClC₆H₄, 2-ClC₆H₄, 3-ClC₆H₄, 4-BrC₆H₄, 3-F₃CC₆H₄, 4-F₃CC₆H₄, 2-BrC₆H₄, 3-BrC₆H₄, 3-Br-4-FC₆H₃, 2-CH₃C₆H₄, 3-O₂NC₆H₄, 2-HOC₆H₄, C₆H₅, 2-pyridyl, 3-pyridyl, cyclohexyl; BR₂ = (CH₂)₇CH₃, (CH₂)₂CH(C₆H₅)₂; etc.], and salts are prepd. as herbicides and tested on rice paddies. Thus, the title compd. I (R = CF₃; R₁ = CH₃; A = NH; B = CH₂; R₂ = 4-ClC₆H₄; X = N; Y = N; Z = CH) was

prepd.
 IT 241163-62-2P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of nitrogen contg. arom. compds. as herbicides)
 RN 241163-62-2 CAPLUS
 CN Pyrimidine, 4-methyl-6-[(2-methylphenyl)methoxy]-2-(trifluoromethyl)-(9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:112354 CAPLUS

DOCUMENT NUMBER: 128:167436

TITLE: Preparation of arthropodicidal and fungicidal cyclic amides

INVENTOR(S): Brown, Richard James; Chan, Dominic Ming-Tak; Clark, David Alan; Drumm, Joseph Eugene, III; Koether, Gerard Michael; McCann, Stephen Frederick; Rorer, Morris Padgett; Selby, Thomas Paul; Walker, Michael Paul

PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Co., USA; Brown, Richard James; Chan, Dominic Ming-Tak; Clark, David Alan; Drumm, Joseph Eugene, III; Koether, Gerard Michael; McCann, Stephen Frederick; Rorer, Morris Padgett; Selby, Thomas Paul; Walker, Michael Paul

SOURCE: PCT Int. Appl., 130 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

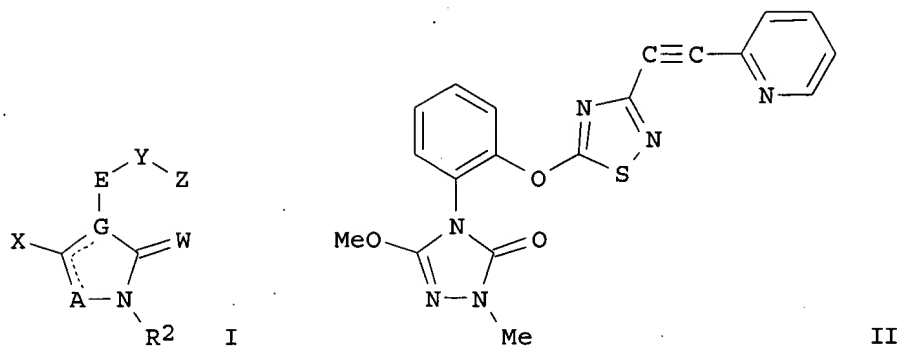
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9805652	A2	19980212	WO 1997-US12809	19970724
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9738890	A1	19980225	AU 1997-38890	19970724
EP 934283	A2	19990811	EP 1997-936152	19970724
R: DE, FR, GB, IT				
BR 9711816	A	19990831	BR 1997-11816	19970724
CN 1231663	A	19991013	CN 1997-198356	19970724
JP 2000516583	T2	20001212	JP 1998-507942	19970724
PRIORITY APPLN. INFO.:				
US 1996-22933P				P 19960801
WO 1997-US12809				W 19970724

OTHER SOURCE(S):
GI

MARPAT 128:167436



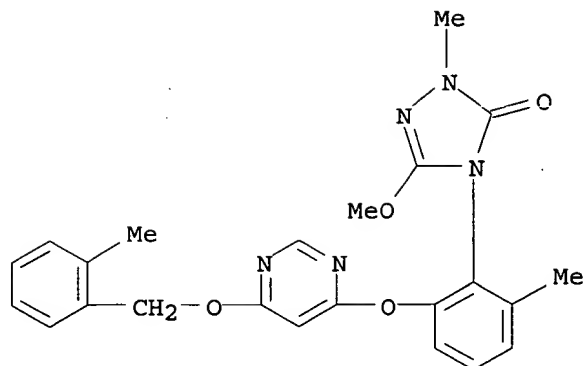
AB The title compds. [I; E = (un)substituted 1,2-phenylene, naphthalene, 5-12 membered monocyclic and fused bicyclic heteroaryl; A = O, S, N, NR5, CR14; G = C, N (provided that when G = C, then A = O, S, NR5 and the floating double bond is attached to G; and when G = N, then A = N, CR14 and the floating double bond is attached to A); W = O, S, NH, N(C1-6alkyl), NO(C1-6alkyl); X = OR1, S(O)mR1, halo; Y = O, S(O)n, NR15, etc.; Z = (un)substituted C3-8 cycloalkyl, C3-8 cycloalkenyl, Ph, etc.; R1 = C1-6 alkyl, C1-6 haloalkyl, C2-6 alkenyl, etc.; R2 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R5 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R14 = H, halo, C1-6 alkyl, etc.; R15 = H, C1-3 alkyl, C3-6 cycloalkyl, etc.; m, n = 0-2], useful for controlling plant diseases caused by fungal plant pathogens, and for controlling arthropods, were prepd. Thus, reaction of 2,4-dihydro-4-(2-hydroxyphenyl)-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one with 3-iodo-5-(methylsulfonyl)-1,2,4-thiadiazole in the presence of K2CO3 in Me2CO followed by reacting the resulting 2,4-dihydro-4-{2-[(3-iodo-1,2,4-thiadiazol-5-yl)oxy]phenyl}-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one with 2-ethynylpyridine in the presence of CuI, PdCl2(PPh3)2 and Et3N in DMF afforded the title compd. II which showed 95% control against *Erysiphe graminis* (the causal agent of wheat powdery mildew) at 500 g/ha.

IT 203054-34-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of arthropodicidal and fungicidal cyclic amides)

RN 203054-34-6 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-5-methoxy-2-methyl-4-[2-methyl-6-[[6-[(2-methylphenyl)methoxy]-4-pyrimidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:958015 CAPLUS

DOCUMENT NUMBER: 123:340190

TITLE: Herbicidal pyrazines and pyrimidines

INVENTOR(S): Niedermann, Hans-Peter; Munro, David

PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B.V., Neth.

SOURCE: Brit. UK Pat. Appl., 48 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

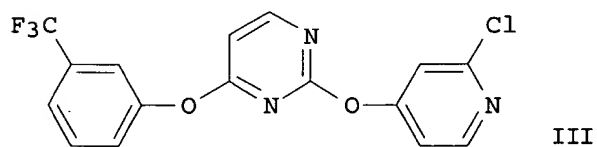
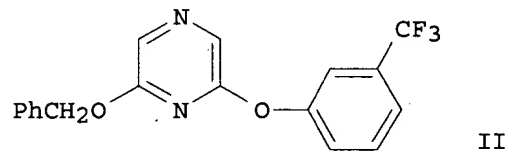
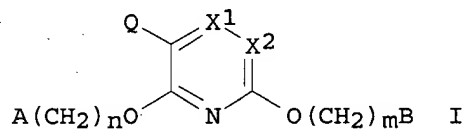
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2285045	A1	19950628	GB 1994-25387	19941212
PRIORITY APPLN. INFO.:			EP 1993-120953	19931227
OTHER SOURCE(S):		CASREACT 123:340190; MARPAT 123:340190		

GI



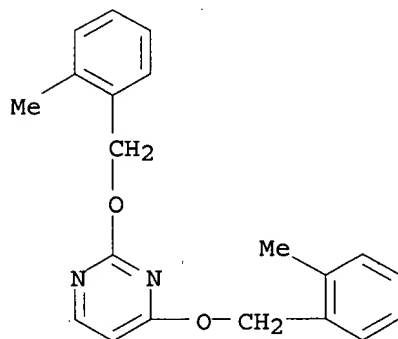
AB Title compds. I [one of X1 and X2 = N, other = CR where R = H, halo, NO₂, cyano, OH, (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkoxy carbonyl, alkylthio, amino, or amido; Q = H, halo, NO₂, cyano, OH, or (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkoxy carbonyl, alkylthio, amino, or amido; n, m = 0, 1, 2 or 3; A and B = (un)substituted aryl or heteroaryl], having herbicidal activity, are prepd. (87 compds.). For example, 2,6-dichloropyrazine reacted with 1-equiv PhCH₂OH and NaH in THF, and the product reacted with 3-CF₃C₆H₄ONa in DMSO at 80.degree., to give 95.4% title compd. II. In tests against 8 plants, title compd. III at 5 kg/ha (foliar spray) gave complete kill of Echinochloa crus-galli with no damage to rice. Test data include foliar, pre-emergence, and soil drench applications against the 8 plants for most compds.

IT 170994-13-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of herbicidal pyrazines and pyrimidines)

RN 170994-13-5 CAPLUS

CN Pyrimidine, 2,4-bis[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:507992 CAPLUS

DOCUMENT NUMBER: 122:265393

TITLE: Preparation of pyrimidinylacrylates as agrochemical fungicides.

INVENTOR(S): Eberle, Martin; Schaub, Fritz; Craig, Gerald Wayne

PATENT ASSIGNEE(S): Sandoz Ltd., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen Verwaltungsgesellschaft m.b.H.

SOURCE: Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

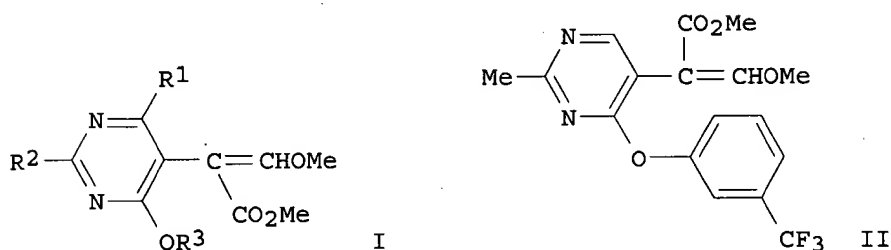
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 634405	A1	19950118	EP 1994-810406	19940708
EP 634405	B1	20021030		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CA 2127665	AA	19950113	CA 1994-2127665	19940708
US 5453427	A	19950926	US 1994-273033	19940708
AT 226944	E	20021115	AT 1994-810406	19940708

AU 9467395	A1	19950119	AU 1994-67395	19940711
AU 684780	B2	19980108		
JP 07089940	A2	19950404	JP 1994-158403	19940711
BR 9402681	A	19950502	BR 1994-2681	19940711
CN 1122800	A	19960522	CN 1994-107547	19940711
IL 110271	A1	19980924	IL 1994-110271	19940711
PL 176705	B1	19990730	PL 1994-304226	19940711
HU 68258	A2	19950628	HU 1994-2075	19940712
HU 214025	B	19971229		
ZA 9405047	A	19960112	ZA 1994-5047	19940712
US 5635508	A	19970603	US 1995-435053	19950508
PRIORITY APPLN. INFO.:			GB 1993-14355	A 19930712
			US 1994-273033	A1 19940708
OTHER SOURCE(S):		MARPAT 122:265393		
GI				



AB Title compds. [I; R1 = H, Me, Et, CF3; R2 = H, Me, Et, alkylthio, alkoxy, dialkylamino; R3 = alkyl, haloalkyl, (substituted) aryl, heteroaryl, arylalkyl, heteroarylalkyl, aryloxyalkyl, aryloxyaryl, arylaryl, heteroaryl, arylalkoxyaryl, arylalkoxyalkyl, heteroaryloxyaryl, aryloxyalkylaryl], were prepd. Thus, Et .alpha.-(2-methyl-4-chloro-5-pyrimidinyl)acetate, 3-trifluoromethylphenol, and K2CO3 were heated in DMF to give Et .alpha.-(2-methyl-4-(3-trifluoromethylphenoxy)-5-pyrimidinyl)acetate. This was stirred 16 h with NaH, MeO2CH, and 1,2-dimethoxyethane; MeI was added and the mixt. was stirred a further 2 h to give title compd. (II). Numerous I as 100 mg/L sprays showed >90% efficacy against *Sphaerotheca fuliginea*.

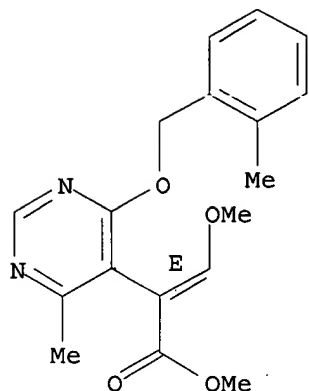
IT 162497-97-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of pyrimidinylacrylates as agrochem. fungicides)

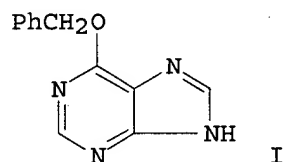
RN 162497-97-4 CAPLUS

CN 5-Pyrimidineacetic acid, .alpha.-(methoxymethylene)-4-methyl-6-[(2-methylphenyl)methoxy]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

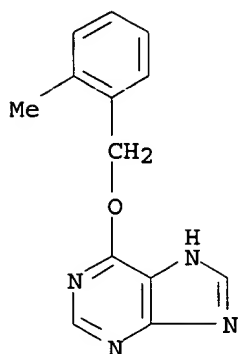
Double bond geometry as shown.



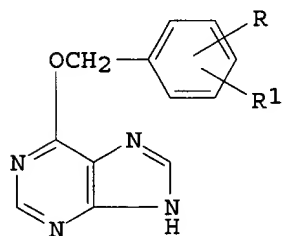
L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1979:81971 CAPLUS
 DOCUMENT NUMBER: 90:81971
 TITLE: Some new cytokinins: activity of methyl-
 benzyloxypurines
 AUTHOR(S): Wilcox, E. J.
 CORPORATE SOURCE: Wye Coll., Univ. London, Wye/Ashford/Kent, UK
 SOURCE: BCPC Monograph (1978), 21(Oppor. Chem. Plant Growth
 Regul.), 175-80
 CODEN: MBCCDO; ISSN: 0306-3941
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB The effects on cytokinin activity of Me group substitution in the benzyl
 ring of 6-benzyloxypurine (I) [57500-07-9] was measured with the tobacco
 pith test and discussed in terms of the mol. shape of the side chain.
 Activities of the 2-Me substituted compd. [67733-76-0] and the
 3-Me compd. [67733-77-1] were similar to that of I whereas the 4-Me
 compd. [67733-78-2] had much lower activity.
 IT 67733-76-0
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (cytokinin activity of)
 RN 67733-76-0 CAPLUS
 CN 1H-Purine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1978:541756 CAPLUS
 DOCUMENT NUMBER: 89:141756
 TITLE: Studies on plant growth-regulating substances. L.
 The cytokinin activity of some substituted
 benzyloxypurines
 AUTHOR(S): Wilcox, E. J.; Selby, C.; Wain, R. L.
 CORPORATE SOURCE: Wye Coll., Univ. London, Ashford/Kent, UK
 SOURCE: Annals of Applied Biology (1978), 88(3), 439-44
 CODEN: AABIAV; ISSN: 0003-4746
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

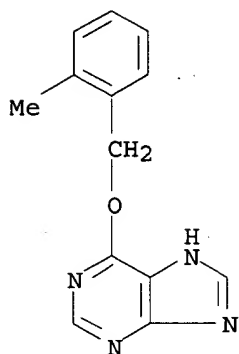


I

AB Eighteen mono- and di-Me and -methoxybenzoyloxypurines I (R and R1 = H, Me, or MeO) were tested for cytokinin activity by the wheat leaf senescence and short coleoptile tests, as well as by the tobacco pith test. 6-(2-Methylbenzyl)oxypurine [67733-76-0] and 6-(3-methoxybenzyl)oxypurine (II) [67733-84-0] were more active than the parent I (R = R1 = H). Disubstitution sharply decreased the activity. II was also the most active in promoting tobacco tissue growth and differentiation.

IT 67733-76-0
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (cytokinin activity of)

RN 67733-76-0 CAPLUS
 CN 1H-Purine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1978:524572 CAPLUS

DOCUMENT NUMBER: 89:124572

TITLE: Retarding the growth of unwanted plants

INVENTOR(S): Sunley, Raymond Leo; Lewis, Terence; Pemberton, Dennis

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd., UK

SOURCE: Ger. Offen., 71 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

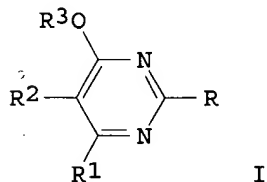
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2734827	A1	19780209	DE 1977-2734827	19770802
GB 1585950	A	19810311	GB 1976-32084	19760802
ZA 7704294	A	19780628	ZA 1977-4294	19770718
AU 7727169	A1	19790125	AU 1977-27169	19770720
AU 508770	B2	19800403		
BR 7704988	A	19780328	BR 1977-4988	19770729
FR 2360581	A1	19780303	FR 1977-23678	19770801
FR 2360581	B1	19830415		
NL 7708516	A	19780206	NL 1977-8516	19770802
JP 53018589	A2	19780220	JP 1977-92298	19770802
CA 1077038	A1	19800506	CA 1977-283886	19770802
			GB 1976-32084	19760802

PRIORITY APPLN. INFO.:

GI



I

AB The pyrimidines I (R = H, Ph, substituted Ph, alkyl, substituted alkyl, mono- or dialkylamine, etc.; R1 = lower alkyl, alkenyl, cycloalkyl, pyridyl, naphthyl, Ph, etc.) are plant growth inhibitors and herbicides.

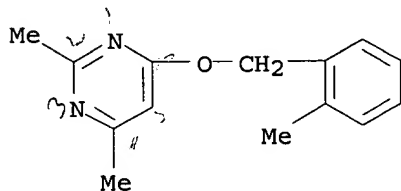
Thus, 4-[(cyclohexylmethyl)oxy]-6-methyl-2-propylpyrimidine [66743-14-4] at 1 kg/ha effectively controlled *Echinochloa crus-galli*, *Leptochloa dubia*, *Cyperus difformis*, and *Monochoria vaginalis* without damage to rice. The synthesis of I is given.

IT 66743-05-3P 66743-31-5P 66743-37-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. and herbicidal activity of)

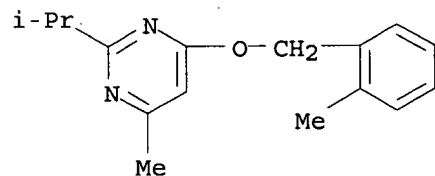
RN 66743-05-3 CAPLUS

CN Pyrimidine, 2,4-dimethyl-6-[(2-methylphenyl)methoxy] - (9CI) (CA INDEX NAME)



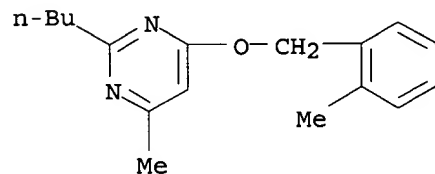
RN 66743-31-5 CAPLUS

CN Pyrimidine, 4-methyl-2-(1-methylethyl)-6-[(2-methylphenyl)methoxy] - (9CI) (CA INDEX NAME)



RN 66743-37-1 CAPLUS

CN Pyrimidine, 2-butyl-4-methyl-6-[(2-methylphenyl)methoxy] - (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
36.71	185.07

SINCE FILE	TOTAL
ENTRY	SESSION
-5.21	-5.21

09/869,458

Page 16

STN INTERNATIONAL LOGOFF AT 10:46:23 ON 08 MAY 2003

Habte

5/8/2003